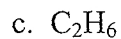
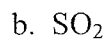
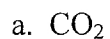
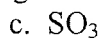
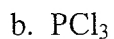
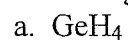


6. Draw the Lewis structures (including all resonance structures) and give the bond order for the following molecules.



7. Explain why the bond angles decrease from 109° to 107° for the tetrahedral and pyramidal geometries respectively.

8. Give the geometric shape for each of the following molecules.



9. Which of the above molecules are polar? Explain why.

10. What is a hydrogen bond and how is it different from other chemical bonds?

11. Circle which molecules would exhibit hydrogen bonding.

